RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/530,224_
Source: _PCT_
Date Processed by STIC: _2/27/06_

ENTERED

PCT

RAW SEQUENCE LISTING   DATE: 02/27/2006
PATENT APPLICATION: US/10/530,224   TIME: 14:39:37

Input Set : A:\041560012U1.txt
Output Set: N:\CRF4\02272006\J530224.raw

```
 3 <110> APPLICANT: SANDIG, Volker
 4        WINKLER, Karsten
 5        MARX, Uwe
 6        WERMELINGER, Tobias
 8 <120> TITLE OF INVENTION: High Yield Heterologous Expression Cell Lines for
 9        Expression of Gene Products with Human Glycosylation
10        Pattern
12 <130> FILE REFERENCE: 04156.0012U1
14 <140> CURRENT APPLICATION NUMBER: 10/530,224
15 <141> CURRENT FILING DATE: 2005-04-04
17 <150> PRIOR APPLICATION NUMBER: PCT/EP2003/011027
18 <151> PRIOR FILING DATE: 2003-10-06
20 <150> PRIOR APPLICATION NUMBER: EP 02022194
21 <151> PRIOR FILING DATE: 2002-10-04
23 <160> NUMBER OF SEQ ID NOS: 22
25 <170> SOFTWARE: PatentIn Ver. 2.1
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 33
30 <212> TYPE: DNA
31 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer VHpromF
36 <400> SEQUENCE: 1
37 atactagtcg gccgcaggca catccacagt cac                        33
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 32
42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial Sequence
45 <220> FEATURE:
46 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer VHpromR
48 <400> SEQUENCE: 2
49 tcccgggtat cgatggagct ctcaggggat tc                         32
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 27
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer CAintV
61 <400> SEQUENCE: 3
62 catcgatccg ctactactac tacatgg                               27
65 <210> SEQ ID NO: 4
66 <211> LENGTH: 18
67 <212> TYPE: DNA
```

RAW SEQUENCE LISTING   DATE: 02/27/2006
PATENT APPLICATION: US/10/530,224   TIME: 14:39:37

Input Set : A:\041560012U1.txt
Output Set: N:\CRF4\02272006\J530224.raw

```
68  <213> ORGANISM: Artificial Sequence
70  <220> FEATURE:
71  <223> OTHER INFORMATION: Description of Artificial Sequence: Primer CAintR
73  <400> SEQUENCE: 4
74  cggccacgct gctcgtat                                          18
77  <210> SEQ ID NO: 5
78  <211> LENGTH: 18
79  <212> TYPE: DNA
80  <213> ORGANISM: Artificial Sequence
82  <220> FEATURE:
83  <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
84        CAMitteR
86  <400> SEQUENCE: 5
87  agctcacctg gtgcaact                                          18
90  <210> SEQ ID NO: 6
91  <211> LENGTH: 19
92  <212> TYPE: DNA
93  <213> ORGANISM: Artificial Sequence
95  <220> FEATURE:
96  <223> OTHER INFORMATION: Description of Artificial Sequence: primer
97        CAMitteF
99  <400> SEQUENCE: 6
100 gacctaagct gacctagac                                         19
103 <210> SEQ ID NO: 7
104 <211> LENGTH: 18
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer V5
111 <400> SEQUENCE: 7
112 tccctccaaa agctgtag                                          18
115 <210> SEQ ID NO: 8
116 <211> LENGTH: 18
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial Sequence: primer V6
123 <400> SEQUENCE: 8
124 atggcggtaa tgttggac                                          18
127 <210> SEQ ID NO: 9
128 <211> LENGTH: 18
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Description of Artificial Sequence: primer V7
135 <400> SEQUENCE: 9
136 cacaagaatc cgcacagg                                          18
139 <210> SEQ ID NO: 10
140 <211> LENGTH: 18
```

RAW SEQUENCE LISTING   DATE: 02/27/2006
PATENT APPLICATION: US/10/530,224   TIME: 14:39:37

         Input Set : A:\041560012U1.txt
         Output Set: N:\CRF4\02272006\J530224.raw

141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
146   EBVtestR
148 <400> SEQUENCE: 10
149 cctgatattg caggtagg   18
152 <210> SEQ ID NO: 11
153 <211> LENGTH: 18
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
159   EBVtestF
161 <400> SEQUENCE: 11
162 taccgacgaa ggaacttg   18
165 <210> SEQ ID NO: 12
166 <211> LENGTH: 377
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic construct
W--> 172 <400> SEQUENCE: 12
173 cagctggtgc agtctggggc tgaggtgaag aagcctgggg cctcagtgaa ggtctcctgc 60
174 aaggcttctg gatacacctt caccggctcc tatatgcact gggtgcgaca ggcccctgga 120
175 caaggccttg agtggatggg acggatcaat cctaacagtg gtggcacaaa ctatgcacag 180
176 aaatttcagg gcagggtcac catgaccagg gacacgtcca tcagcacagc ctacatggag 240
177 ctgagcaggc tgagatctga cgacacggcc gtgtattact gtgcgagaga caagctttcc 300
178 cggtcagaag taccagctgg ccgctactac tactacatgg acgtctgggg caaagggacc 360
179 acggtcaccg tctcctc   377
182 <210> SEQ ID NO: 13
183 <211> LENGTH: 18
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer V81
190 <400> SEQUENCE: 13
191 agcttcggct caacacag   18
194 <210> SEQ ID NO: 14
195 <211> LENGTH: 18
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer V83
202 <400> SEQUENCE: 14
203 gccttacctg cagagatg   18
206 <210> SEQ ID NO: 15
207 <211> LENGTH: 22
208 <212> TYPE: DNA

```
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer V89
214 <400> SEQUENCE: 15
215 agtataccccc agaactctgc tt                                        22
218 <210> SEQ ID NO: 16
219 <211> LENGTH: 30
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer V90
226 <400> SEQUENCE: 16
227 ggccgctgcg gccggaagat gaggctgact                                 30
230 <210> SEQ ID NO: 17
231 <211> LENGTH: 25
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer V91
238 <400> SEQUENCE: 17
239 agcggccgct tgcaggacaa tatga                                      25
242 <210> SEQ ID NO: 18
243 <211> LENGTH: 18
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer V94
250 <400> SEQUENCE: 18
251 ttgcgtgaca ggctcagt                                              18
254 <210> SEQ ID NO: 19
255 <211> LENGTH: 18
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer V115
262 <400> SEQUENCE: 19
263 atcacacggc acttctcg                                              18
266 <210> SEQ ID NO: 20
267 <211> LENGTH: 25
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer V116
274 <400> SEQUENCE: 20
275 gagatatcgg cttctggagg acact                                      25
278 <210> SEQ ID NO: 21
279 <211> LENGTH: 14000
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
```

```
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Description of Artificial Sequence: Proposed
285        sequence of the arranged light chain locus
287 <400> SEQUENCE: 21
288 ctctccagca aggggataag agaggcctgg gaggaacctg ctcagtctgg gcctaaggaa 60
289 gcagcactgg tggtgcctca gccatggcct ggaccgttct cctcctcggc ctcctctctc 120
290 actgcacagg tgatcccccc agggtctcac caacctgccc agcccaaggg ttctgggtcc 180
291 agcgtgtcct tgattctgag ctcaggaggg cccttcctgt ggtgggcagg atgctcatga 240
292 ccctgctgca gggtggggagg ctggtggggc tgaactcccc ccaaactgtg ctcaaaggct 300
293 tgtgagagcc tgagggactg cacctgccag gagagagtag tgagtttca gttcaaagtc 360
294 tccatacaac aggaaagtca tgggccactg gggctggggc tgattgcagg ggatacccctg 420
295 agggttcaca gactctctgg agcttgtctg ggacagcagg gcaagggatt tcataagaag 480
296 catctttcac ctgcaagcca acctctctct tatttattta tttatttatt tatttattta 540
297 tttatttatt tttatctttg caggctctgt gacctcctat gtgctgactc agccaccctc 600
298 ggtgtcagtg gccccaggac agacggccag gattacctgt gggggaaaca acattggaag 660
299 taaaagtgtg cactggtacc agcagaagcc aggccaggcc cctgtgctgg tcgtctatga 720
300 tgatagcgac cggccctcag ggatccctga gcgattctct ggctccaact ctgggaacac 780
301 ggccaccctg accatcagca gggtcgaagc cggggatgag gccgactatt actgtcaggt 840
302 gtgggatagt agtagtgatc atcccacggt gacacaggca gatgaggaag tgagacaaaa 900
303 acaccctccc agcctcggtc accctcttgc tccagccccg ggaagcctgt tgataaagcc 960
304 atgagtgaat ctggcccagt tcacctggat ctgagccttt caggttgccc ttccctccag 1020
305 ccccctccag gagtctctac agaagataca tcaggcataa atatggcctg gaagggccag 1080
306 aatcatctgg tgacttgggg ctgttgtgtg agttagagaa tgaaggcttg ggtggaaaga 1140
307 cagacagagg caacctctgt ccactgtcct acccctggat ggtcatatgg tggggacagg 1200
308 gcaagtcctt agaccaactg tctggatcag gccccagaac tactgcccag ttctgctgag 1260
309 gtcctggccc ccaggctgtg tggcagcctg tgattcccaa cagagcaaac cagaggaatg 1320
310 gacactgtga agtctgccca gatcccctcc tcaatgtgac ccacctggca ctgctgagaa 1380
311 gcccagcagc tcagagctgt gccctcactg ggaagtgctg ttggttgcag aaagcttcct 1440
312 caagtttgtg tcccttttca gaggggttcg gtttaatcaa ccaagatctc aaatccttgc 1500
313 ctcaatttaa gatgccactg aatgaagggc ctcccagctc cagagctccc tgtgtggata 1560
314 cctgaggcct caatgtcaac tccatcacga gtcagggtct ccttctgccc cgtgttgcct 1620
315 cccccactcc cttctgaatc ttctgtgcat ggacatctct attgcagagt tagcttccag 1680
316 agaaccccat ctaagatggc cagctgtccc caacatgggt catcagggac ctgagtaggc 1740
317 cactataaac tgaaaactct ggtttctgtc caaatttgca gagtaaatgt tgaaatgccc 1800
318 aatctgatgg ttccttgaat ttttatggaa tgaaaaggga gcctgacatg ccaggtgctc 1860
319 tgggttgagg gattgttgga gtcagatctc cctgcaggaa agcccggggc aggggggagca 1920
320 gcctcacccc tcacaggaac cacagataca cccacaaggt gagctgcagg atggatgctg 1980
321 cccacctcca ccctccacat cctctgtaaa tgttgctcct ttctacaact ccaaccagat 2040
322 atgtagatgt ggcgaactac gtaaaatacg gatcattcat cacatcaaaa cccactgcag 2100
323 gacaccctgg tcaacaaaga acccaatcac atccccatca actacatagt ttccaaattt 2160
324 tccatctcca gaaaaataac aataacaata tacatgaaaa tcgatgtaat ttatctcata 2220
325 cataatttca tgttgataac gtgaaaatga tagtattttg ctctactgaa ataaataaaa 2280
326 tatatatata tatctgaatt tatttgtctt atcttttcat atttaatgtg gtgactagac 2340
327 actaggggggt cacaggagga tcgtgtcata ccactatggg acagagctcc tcacaactct 2400
328 ttcaggtgac aggtactgtt gagtaacctg ctgcaagcat ccccatctcc accagaccat 2460
329 ataagtgtga acccaggaag aggcactgga acaatagaga gaaaaacctg cttgtgcaga 2520
330 agacggtgcc cttgagccct gctcctgctc catcctacgg gtgccacatt catctcatgg 2580
331 tgtaatattt cgtgccctgc ctgagcttat gaccgagggg atatggcagg tctgactgtg 2640
332 tggttactgg tgtctcatga ggttctggat gtaacaaagc cctcgaatat agaagaggtt 2700
```

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/530,224**

DATE: 02/27/2006
TIME: 14:39:38

Input Set : **A:\041560012U1.txt**
Output Set: **N:\CRF4\02272006\J530224.raw**

L:172 M:283 W: Missing Blank Line separator, <400> field identifier